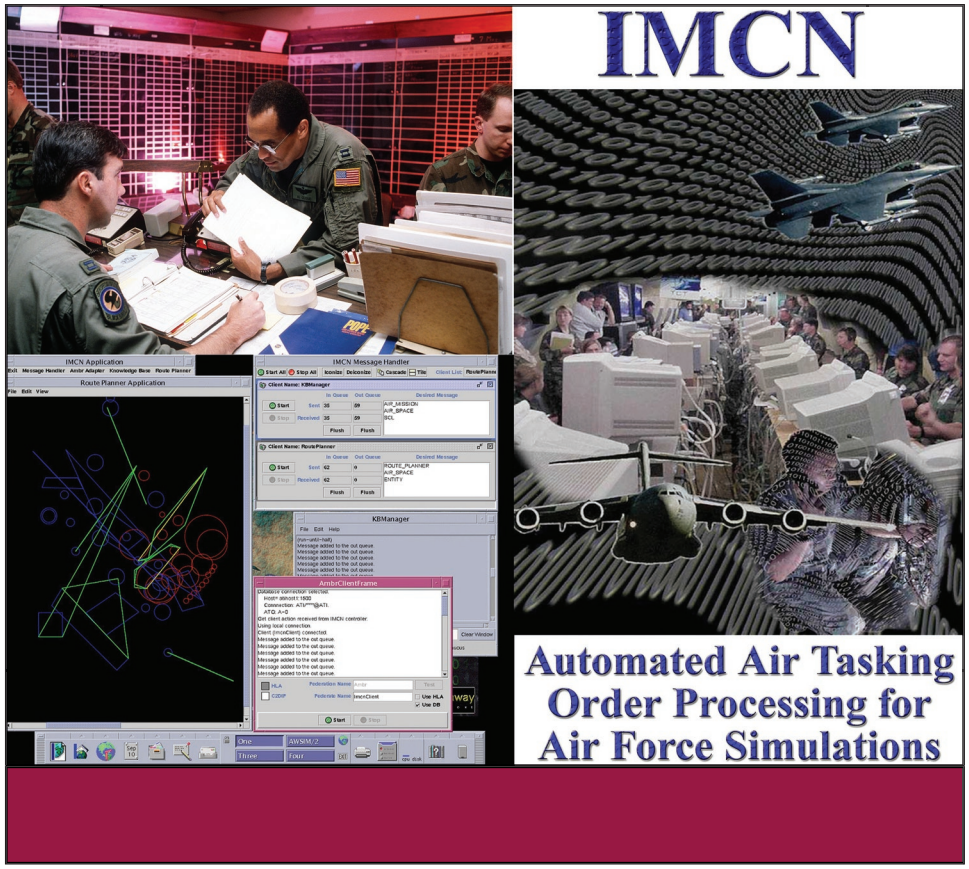
Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

AFRL TECHNOLOGY ENHANCES REALISM OF COMBAT EXERCISES



The Intelligent Mission Controller Node (IMCN) increases the realism and reduces the cost of air combat command and control simulations, specifically Joint Training Confederation exercises of today and Joint Simulation exercises of tomorrow. This technology automates the Air Tasking Order translation and modification process, allowing exercises to be conducted with fewer technical controllers.

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Accomplishment

The Human Effectiveness Directorate's Deployment and Sustainment Division transitioned the IMCN software toolkit to the Air Force Integrated Command and Control System Program Office. The toolkit dramatically improves the training value and efficiency of command post exercises, while simultaneously reducing their cost. IMCN is a valuable addition to the warfighter's modeling and simulation toolkit, and warfighters use it in a widening array of exercises to increase their effectiveness and affordability.

Background

Directorate engineers developed the IMCN toolkit over the past 2 years with co-funding from the Defense Modeling and Simulation Office and the Office of Naval Research. Recently, the IMCN successfully passed a number of demonstration trials, and the Air War Simulation and National Air and Space [Warfare] Model programs accepted it for transition.

Human Effectiveness
Support to the Warfighter

Additional information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (02-HE-13)